

### **Listing of the Claims**

Please amend the claims to read as follows:

1-28 (Canceled)

29. (New) A pediculicidal composition, for use in the treatment of lice infestation, comprising:

an active ingredient selected from a bioadhesive polymer and pharmaceutically acceptable salts thereof in lice killing concentrations; and

a physiologically acceptable carrier, wherein the physiologically acceptable carrier is a combination of an alcohol and a silicone based compound, and the alcohol is selected from the group consisting of isopropanol, ethanol and industrial methylated spirit.

30. (New) A composition according to claim 29, wherein the bioadhesive polymer constitutes from 0.25 to 10% w/w of the total composition.

31. (New) A composition according to claim 29 wherein the bioadhesive polymer is a carbomer related substance.

32. (New) A composition according to claim 29, wherein the bioadhesive polymer is a carbomer related substance that constitutes from 0.25 to 2.0% w/w of the total composition.

33. (New) A composition according to claim 29, wherein the physiological carrier further comprises water.

34. (New) A composition according to claim 29, wherein the silicone based compound is selected from the group consisting of cyclomethicone, hydroxy-terminated linear siloxane and a combination thereof.

35. (New) A composition according to claim 29, wherein the composition further comprises at least one surfactant.

36. (New) A composition according to claim 29, wherein the composition further comprises at least one surfactant and the surfactant comprises an anionic surfactant selected from the group consisting of monovalent alkyl carboxylates, polyvalent alkyl carboxylates, acyl lactylates, alkyl ether carboxylates, N-acyl sarcosinates, N-acyl glutamates, fatty acid- polypeptide condensates, sulphuric acid esters, ester-linked sulphonates, alpha olefin sulphonates and phosphated ethoxylated alcohols.

37. (New) A composition according to claim 29, wherein the composition further comprises at least one surfactant and the surfactant comprises a cationic surfactant selected from the group consisting of monoalkyl and dialkyl quaternary ammonium compounds, amido amines, aminimides and a combination thereof.

38. (New) A composition according to claim 29, wherein the composition further comprises at least one surfactant and the surfactant comprises a nonionic surfactant selected from the group consisting of polyoxyalcohols, polyoxypropylenes, amine oxides, fatty acid esters, polyhydric alcohols and a combination thereof.

39. (New) A composition according to claim 29, wherein the composition further comprises at least one surfactant and the surfactant comprises a amphoteric/zwitterionic surfactant selected from the group consisting of triglycerides e.g. lecithin, N-substituted alkyl amides, N-alkyl betaines, sulpho betaines, N-alkyl beta aminopropionates and a combination thereof.

40. (New) A composition according to claim 29 wherein the pH of the composition is in the range from 4.5 to 8.0.

41. (New) A composition according to claim 29, further comprising: a carbomer comprising one or multiple co-monomers.

42. (New) A composition according to claim 29, further comprising: a carbomer comprising one or multiple co-monomers, wherein the co-monomers are C10-C30 alkyl acrylates.

43. (New) A composition according to claim 29, wherein the composition further comprises at least one additional component having ovicidal activity.

44. (New) A composition according to claim 29, wherein the composition further comprises at least one additional component having ovicidal activity, and the additional component having ovicidal activity is selected from the group consisting of terpenes, d-phenothrin, malathion, carbaryl, tea tree oil and neem oil.

45. (New) A composition according to claim 29, wherein the composition comprises 0.25 to 1.0% w/w carbomer together with up to 10% w/w of a cyclic siloxane.

46. (New) A composition according to claim 29, wherein the composition comprises 0.25 to 1.0% w/w carbomer together with up to 10% w/w of a cyclic siloxane, wherein the cyclic siloxane is decamethyl cyclopentasiloxane.

47. (New) A composition according to claim 29, wherein the composition comprises from 0.25 to 1.0% w/w carbomer together with up to 60% w/w of an alcohol component.

48. (New) A composition according to claim 29, wherein the composition comprises from 0.25 to 1.0% w/w carbomer together with up to 60% w/w of an alcohol component, and the alcohol component is isopropanol.

49. (New) A composition according to claim 29, wherein the composition comprises from 0.25 to 1.0% w/w carbomer together with an alcohol component, and the alcohol component constitutes from 10 to 30% w/w of the total composition.

50. (New) A composition according to claim 29, wherein the composition comprises from 0.25 to 1.0 w/w carbomer together with up to 10% w/w of a silicone component and from 10 to 30% w/w of isopropanol.

51. (New) A composition according to claim 29 wherein the composition comprises from 0.25 to 1.0 w/w carbomer together with at least one surfactant and isopropanol.

52. (New) A composition according to claim 29 wherein the composition comprises at least one carbomer, at least one surfactant, isopropanol and an additional component which delivers ovicidal activity.

53. (New) A use of a pediculicidal composition as claimed in claim 29 to manufacture a medicament to treat lice infestations, wherein the parasitocidal composition comprises a pediculicidally active ingredient selected from the group consisting of a bioadhesive polymer and salts thereof.